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APPLICATION NO.	] 1	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/677,530		10/03/2003	Beom-ro Lee	1293.1897	2313	
21171	7590	10/20/2004		EXAM	EXAMINER	
STAAS &	HALSE	Y LLP		YAN, REN LUO		
SUITE 700 1201 NEW	YORK A	VENUE, N.W.		ART UNIT	PAPER NUMBER	
WASHING		•	2854			
				DATE MAILED: 10/20/200	4	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)					
		10/677,530	LEE ET AL.					
Office Action Summ	ary	Examiner	Art Unit					
		Ren L Yan	2854					
The MAILING DATE of this of Period for Reply	communication appe	ears on the cover sheet with the c	orrespondence address					
A SHORTENED STATUTORY PE THE MAILING DATE OF THIS CO - Extensions of time may be available under the after SIX (6) MONTHS from the mailing date o - If the period for reply specified above is less ti - If NO period for reply is specified above, the m - Failure to reply within the set or extended peri- Any reply received by the Office later than thre earned patent term adjustment. See 37 CFR	MMUNICATION. provisions of 37 CFR 1.136 f this communication. an thirty (30) days, a reply a aximum statutory period bof for reply will, by statute, we months after the mailing	6(a). In no event, however, may a reply be tim within the statutory minimum of thirty (30) days Il apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. O (35 U.S.C. § 133).					
Status								
1) Responsive to communication	on(s) filed on <u>29 Jui</u>	<u>ly 2004</u> .						
2a) This action is FINAL.	2b)☐ This	action is non-final.						
·— · · ·	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims		,						
4) ☐ Claim(s) <u>1-56</u> is/are pending 4a) Of the above claim(s) 5) ☐ Claim(s) <u>1,4-37 and 39-55</u> is 6) ☐ Claim(s) is/are rejecte 7) ☐ Claim(s) <u>2,3,38 and 56</u> is/are 8) ☐ Claim(s) are subject	is/are withdraw s/are allowed. ed. e objected to.							
Application Papers								
9)☐ The specification is objected	to by the Examiner							
10)☐ The drawing(s) filed on	☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
	• •	rawing(s) be held in abeyance. See						
Replacement drawing sheet(s) 11) The oath or declaration is ob		on is required if the drawing(s) is ob aminer. Note the attached Office		).				
Priority under 35 U.S.C. § 119								
3. Copies of the certified application from the Ir	ne of: priority documents priority documents copies of the priority	have been received. have been received in Applications to the deciments have been received.	on No ed in this National Stage					
Attachment(s)		_						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing	Baylow (BTO 048)	4)						
Notice of Draftsperson's Patent Drawing     Information Disclosure Statement(s) (PT-Paper No(s)/Mail Date		<b>—</b> ' ' '	eater Patent Application (PTO-152)					

## **DETAILED ACTION**

Applicant's election with traverse of Group I, claims 1-37 and 42-55 in the reply filed on 7-29-2004 is acknowledged. Upon reconsideration, the restriction requirement set forth in the previous Office action is hereby withdrawn. All pending claims 1-56 are being examined as in the following:

This application is in condition for allowance except for the following formal matters:

Claims 2, 3, 38 and 56 are objected for the following reasons:

In claim 2, line 2, the word --supply-- should be inserted after the phrase "recording medium".

In claim 3, line 2, the word --supply-- should be inserted after the phrase "recording medium".

In claim 38, lines 4 and 7, the word --medium-- should be inserted after the word "recording", respectively.

In claim 56, line 6, the word --medium-- should be inserted after the word "recording", and line 10, the word --image-- should be inserted before the word "input" and the word --medium-- should be inserted after the word "recording".

Claims 1, 4-37 and 39-55 are allowed.

The following is an examiner's statement indicating allowable subject matter:

With respect to claims 1 and 21, no prior art has been found to teach the recited structure and process steps of periodically generating synchronized demand of the image input into an exposure unit and synchronized demand for the recording medium supply to a transfer unit,

inputting the image into the exposure unit according to the synchronized demand of the image input, and supplying the recording medium to the transfer unit according to the synchronized demand for the recording medium supply along with the rest of the recited elements in the claimed combination.

With respect to claims 38 and 56, no prior art has been found to teach the recited structure and process steps of periodically generating a timer interrupt when a printing operation is requested, synchronizing a demand of the image input and a demand for the recording medium supply via the generated timer interrupt, inputting the image according to the synchronized demand of the image input, and supplying the recording medium according to the synchronized demand for the recording medium supply.

Prosecution on the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire TWO MONTHS from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ren L Yan whose telephone number is 571-272-2173. The examiner can normally be reached on 8:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Hirshfeld can be reached on 571-272-2168. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Art Unit: 2854

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ren L Yan

Primary Examiner
Art Unit 2854

Ren Yan

Oct. 15, 2004